

**MATERIAL SAFETY DATA SHEET**

PART NUMBER: R-66  
IDENTITY: BUFFERED KCL  
MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
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DATE REVISED: 01/26/11  
PREPARED BY: R. MORRISON  
REVISED BY: T. PHILLIPS

**SECTION 1--MATERIAL IDENTIFICATION AND INFORMATION**

COMPONENTS	CAS#	%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
POTASSIUM CHLORIDE	7447-40-7	12.	N/A	N/A	N/A
POTASSIUM BIPHTHALATE	877-24-7	1.8	N/A	N/A	N/A
NON-HAZARDOUS INGREDIENTS		86.2			
TOTAL		100			

No health hazard or other information is available for the solution of the mixture. The following sections are based on information obtained from <http://www.jtbaker.com/msds/englishhtml/P5631.htm> <http://www.jtbaker.com/msds/englishhtml/P5521.htm> and our best scientific understanding of the solution.

**SECTION 2--PHYSICAL/CHEMICAL CHARACTERISTICS**

BOILING POINT 100°C  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1) 1.0  
VAPOR PRESSURE (mm Hg/TEMPERATURE) 24 mmHg @ 25°C  
MELTING POINT N/A  
VAPOR DENSITY (AIR = 1) N/A  
EVAPORATION RATE ( = 1) N/A  
SOLUBILITY IN WATER COMPLETE  
WATER REACTIVE N/A  
APPEARANCE AND ODOR CLEAR, ODORLESS SOLUTION

**SECTION 3--FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT AND METHOD USED N/A  
AUTO IGNITION TEMPERATURE N/A  
FLAMMABILITY LIMITS IN AIR % BY VOLUME N/A  
LEL N/A  
UEL N/A  
EXTINGUISHER MEDIA N/A  
SPECIAL FIRE FIGHTING PROCEDURES N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS IS AN AQUEOUS SOLUTION AND IS NOT FLAMMABLE OR EXPLOSIVE.

**SECTION 4--REACTIVITY HAZARD DATA**

STABILITY: STABLE X UNSTABLE      
CONDITIONS TO AVOID: NONE  
INCOMPATIBILITY (MATERIALS TO AVOID: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE  
HAZARDOUS POLYMERIZATION: MAY OCCUR\_\_\_ WILL NOT OCCUR X  
HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: DOES NOT POLYMERIZE

**SECTION 5--HEALTH HAZARD DATA: R-66**

PRIMARY ROUTES OF ENTRY: INHALATION\_\_\_ SKIN ABSORPTION\_\_\_  
INGESTION X NOT HAZARDOUS\_\_\_

CARCINOGEN LISTED: NTP\_\_\_ IARC\_\_\_ OSHA\_\_\_ NOT LISTED X

HEALTH HAZARDS

ACUTE: N/A

CHRONIC: N/A

SIGNS AND SYMPTOMS OF EXPOSURE: UNKNOWN

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: UNKNOWN

EMERGENCY FIRST AID PROCEDURES:

EYE CONTACT: FLUSH WITH WATER 15 MINUTES.

SKIN CONTACT: WASH WITH SOAP AND WATER.

INHALATION: MOVE TO FRESH AIR.

INGESTION: DILUTE WITH LARGE AMOUNTS OF WATER. SEEK MEDICAL ASSISTANCE.

**SECTION 6--CONTROL AND PROTECTIVE MEASURES**

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSHA/MSHA APPROVED RESPIRATOR

PROTECTIVE GLOVES: YES

EYE PROTECTION: YES

VENTILATION TO BE USED

LOCAL EXHAUST:

MECHANICAL (GENERAL): YES

SPECIAL: N/A

OTHER (SPECIFY): N/A

PROTECTIVE CLOTHING AND EQUIPMENT: LAB COAT/APRON

HYGIENIC WORK PRACTICES: WASH HANDS AFTER HANDLING.

**SECTION 7--PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: RINSE WITH WATER. MOP.

WASTE DISPOSAL METHODS: DISPOSE IN ACORDANCE WITH FEDERAL, STATE, LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A DRY, ROOM-TEMPERATURE AREA.

OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS: N/A

RATING:

HEALTH 1 FLAMMABILITY 1 REACTIVITY 0 SPECIFIC\_\_\_